


# CornerStone<sup>®</sup> Positive

Retaining Walls

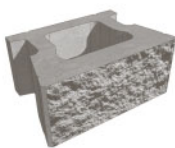


**masonry.**  
build in style

# CornerStone Positive



CornerStone® Positive is a vertical system designed for installations that demand retaining walls with superior strength such as highway and railway embankments, critical water applications and projects in regions where earthquakes are prevalent.

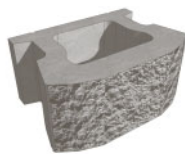


**Straight Face**

Size(mm): 457L x 305W x 200H

Weight (each): 36.4kg

Face area: 11 units per m<sup>2</sup>



**Angle Splitface**

Size(mm): 440L x 305W x 200H

Weight (each): 35.4kg

Face area: 11 units per m<sup>2</sup>



**Corner Unit**

Size(mm): 457L x 229W x 200H

Weight (each): 36kg



**Cap Unit**

Size(mm): 457L x 305W x 100H

Weight (each): 30.8kg

**Specifications**



## Strength without compromise

CornerStone Positive is a vertical system designed for installations that demand retaining walls with superior strength such as highway and railway embankments, critical water applications and projects in regions where earthquakes are prevalent.

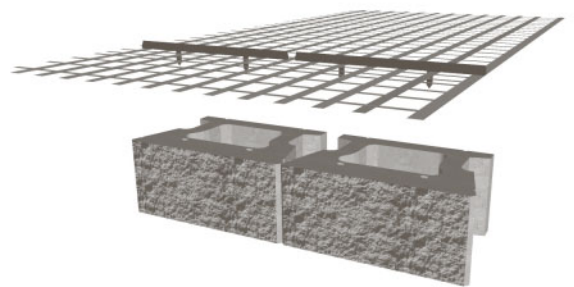
It features a unique geosynthetic positive connecting system that connects units both horizontally and vertically at every reinforcement layer. Units at the geosynthetic layers are connected not only side by side, but also vertically, giving the wall superior positive structural strength (see diagram).

The geosynthetic is wrapped around the connector bar and wedged into the preformed grooves in the units above. This creates a continuous geosynthetic positive connection with units above and below the reinforcement layer along the entire wall length.

Each positive connector wrapped with geosynthetic interacts with three units creating a unique triangle interlock which significantly increases the connection pullout strength of the geosynthetics and gives the wall incredible structural strength.



The unique connector is made of high strength polyethylene that flexes with ease when building curved walls.



The connector grooves of the two units above ensure that the connector is aligned properly. The three CornerStone Positive units are joined in a triangle, to a single geosynthetic wrapped connector providing excellent horizontal unit to unit alignment.

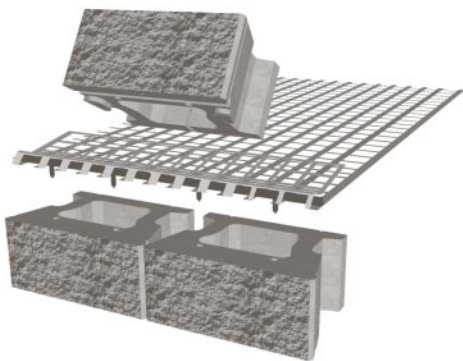


Best of all, CornerStone Positive may reduce the geosynthetic strength and number of layers required in the wall, saving the installer time and money. The CornerStone Positive connectors are only required on courses where geosynthetics are used.

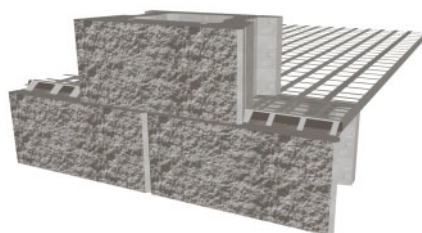
The high strength CornerStone Positive connectors are flexible and easy to install when building concave or convex curved walls. The flexibility of using CornerStone Positive units provides the installer creative design options while at the same time reducing material and labour costs.

Whether the design is simple or complex, a CornerStone Positive wall will retain its strength while flexing under seismic loading or other stress condition (such as can be found near roads, railways, water ways, positive slopes and building structures).

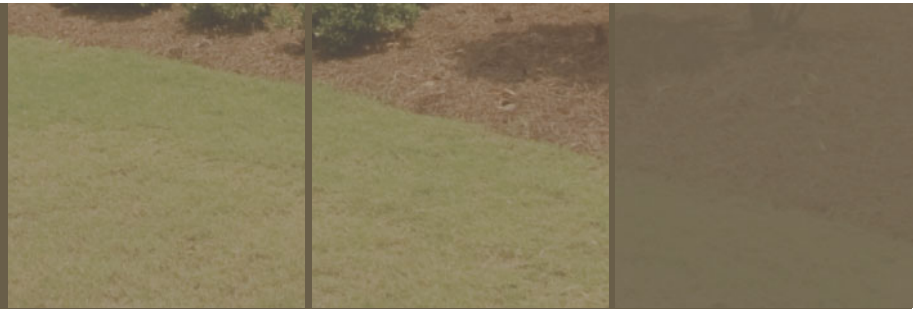
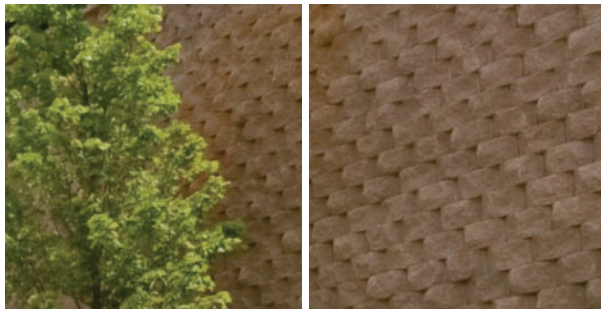
The CornerStone Positive retaining wall system was developed with the installer in mind. CornerStone Positive's durable, high shear strength connectors along with its SecureLugs allow for significant lateral movement without losing the interlock. The unit's tapered sides with its removable wings make it easy to build tight curves and straight walls with complete accuracy.



CornerStone Positive's gear shaped connector is wrapped with geosynthetics at 270 degrees and wedged into the grooves of the units above. This forms a 100% positive connection along the entire length of the reinforcement layer.



The CornerStone Positive and friction connection may be used in the same wall providing the contractor savings in time and money.



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